GOVERNMENT OF INDIA
PETROLEUM AND NATURAL GAS
LOK SABHA

UNSTARRED QUESTION NO:5806
ANSWERED ON:17.05.2007
HYDROGEN BLENDED NATURAL GAS
Jagannath Dr. M.

Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether the Government has launched any pilot project for mixing of hydrogen gas with natural gas for being used as the fuel purposes,

(b) if so, the details thereof;

(c) whether the Government has evaluated the cost effectiveness as well as efficacy of the blended gas as an alternative fuel; and

(d) if so, the details thereof?

Answer

Minister of State in the MINISTRY OF PETROLEUM & NATURAL GAS(SHRI DINSHA PATEL)

(a)&(b) A project for introduction of Hydrogen-Compressed Natural Gas(H-CNG) blends on a trial basis in existing CNG vehicles has beer, planned by the Ministry of New and Renewable Energy (MNRE) to be undertaken in collaboration with the Society of Indian Automobile Manufactures (SIAM) and Indian Oil Corpoiation Limited(IOCL). The project aims for introduction of H- CNG blend as a fuel in light duty vehicles, cars and three wheelers, involving five leading Indian automobile manufactures viz, Tata Motors. Ashok Leyland, Eicher Motors, Mahindra & Mahindra and Bajaj Auto by using the existing Hydrogen dispensing facility set up at IOQR&D) Centre at Faridabad.
Further, another H-CNG dispensing station has been planned to be set up by IOC(R&D) along with the MNRE at Delhi for refueling vehicles running on H-CNG blends and on 100% Hydrogen under following developmental/demonstration projects:-
(i) National Hydrogen Energy Board (NHEB) funded project on `use of H-CNG blended fuels in Light Duty Vehicles

(ii) Centre for High Technology (CHT) funded project on `use of H-CNG blended fuels in Heavy Duty Vehicles

(iii) Hydrogen vehicles developed by Banaras Hindu University(BHU).

(c)&(d) At this stage, it is not possible to evaluate cost effectiveness and efficacy of H-CNG blended fuel. The cost effectiveness and efficacy will depend upon the outcome of further tests and trials as well as cost of production of commercial Hydrogen.